

Title (en)

SECURING DEVICE FOR PIANO STRINGS

Title (de)

BEFESTIGUNGSVORRICHTUNG FÜR KLAVIERSAITEN

Title (fr)

DISPOSITIF DE FIXATION POUR CORDES DE PIANO

Publication

EP 3816988 A4 20220504 (EN)

Application

EP 19811860 A 20190507

Priority

- RU 2018120396 A 20180601
- RU 2019000315 W 20190507

Abstract (en)

[origin: EP3816988A1] The invention relates to a device for tightening the strings of a keyboard musical instrument. The device provides for rigidly securing a tuning pin in position by means of a collet pressing into a cast-iron frame, an elastic ring being mounted on windings of a string. The present technical improvements increase tuning stability and tuning retention, increase string resistance to breaking, and increase the service life of a musical instrument.

IPC 8 full level

G10C 3/10 (2019.01); **G10C 1/00** (2006.01); **G10C 3/106** (2019.01)

CPC (source: EP KR RU US)

G10C 1/00 (2013.01 - EP); **G10C 3/04** (2013.01 - US); **G10C 3/06** (2013.01 - US); **G10C 3/07** (2019.01 - US); **G10C 3/10** (2013.01 - KR RU);
G10C 3/106 (2013.01 - EP US); **G10C 3/12** (2013.01 - KR)

Citation (search report)

- [A] US 166253 A 18750803
- [A] JP S5127128 B1 19760811
- [A] JP H04190295 A 19920708 - YAMAHA CORP
- [A] KR 20040013316 A 20040214 - JUNG JAI BONG
- [A] US 2015262560 A1 20150917 - CURRAN THEODORE BUXHOEVEDEN [US]
- [A] JP S5343328 U 19780413
- See also references of WO 2019231354A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3816988 A1 20210505; EP 3816988 A4 20220504; CN 112513972 A 20210316; KR 20210053262 A 20210511; RU 2018120396 A 20191202;
RU 2018120396 A3 20200609; RU 2727352 C2 20200721; US 11222616 B2 20220111; US 2021158785 A1 20210527;
WO 2019231354 A1 20191205

DOCDB simple family (application)

EP 19811860 A 20190507; CN 201980050695 A 20190507; KR 20207037909 A 20190507; RU 2018120396 A 20180601;
RU 2019000315 W 20190507; US 201917257757 A 20190507